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PTO/SB/21 (05-03)

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FORM**

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/501,442 ✓	
	Filing Date	July 13, 2004	
	First Named Inventor	Janne KEROVUO	
	Art Unit	unassigned	
	Examiner Name	unassigned	
Total Number of Pages in This Submission	9	Attorney Docket Number	D2000-1WUS

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form - 2 copies <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): - Form PTO-1449 (3 pages + duplicate) - 53 references - Return receipt postcard
Remarks Customer No. 20962		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Lynn M. Linkowski, Reg. No. 47,320
Signature	
Date	January 6, 2005

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT
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Lynn Linkowski

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	KEROVUO et al.	Art Unit:	unassigned
Application No.:	10/501,442	Examiner:	unassigned
Filed:	July 13, 2004	Conf. No:	8134
Title:	A Pectate Lyases, Nucleic Acids Encoding Them and Methods for Making and Using Them		

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Arlington, V.A., 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98

Dear Sir:

In accordance with 37 C.F.R. §1.97 & 1.98, Applicant submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

The Information Disclosure Statement is submitted:

Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /SS/

In re Application of:
KEROVUO et al.
Application No.: 10/501,442
Filing Date: July 13, 2004
Page 2

PATENT

Attorney Docket No.: D2000-1WUS

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein. A duplicate copy of the Form PTO-1449 is included herein for the Examiner's convenience.

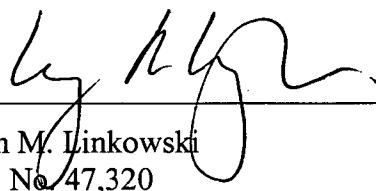
The information contained in this Information Disclosure Statement under 37 C.F.R. §1.97 & 1.98 is not to be considered as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

Although no fee is deemed necessary in connection with the filing of this Information Disclosure Statement, the Commissioner is hereby authorized to charge any fees associated with this communication or credit any overpayment to Deposit Account No. 50-0661.

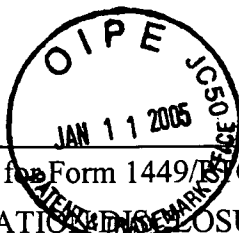
Respectfully submitted,

Date: 1/6/05

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Substitute for Form 1449/PTO

INFORMATIONAL ENCLOSURE STATEMENT BY
APPLICANT

(Use as many sheets as necessary)

Application Number 10/501,442

Filing Date July 13, 2004

First Named Inventor KEROVUO, Janne

Docket Number D2000-1WUS

Examiner Name To Be Assigned

Art Unit To Be Assigned

Mailing Date Januray 6, 2005

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Publication Date (MM-DD-YYYY)	Document No. Number-Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	11/29/1988	4,788,066	Witt	
	2.	12/10/1996	5,582,681	Back, et al.	
	3.	02/25/1997	5,605,793	Stemmer	
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	5.	11/03/1998	5,830,696	Short	
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	11.	05/23/2000	6,066,233	Olsen, et al.	
	12.	06/20/2000	6,077,316	Lund, et al.	
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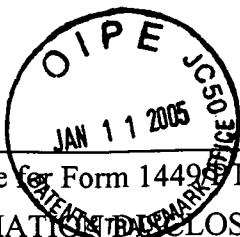
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	First Named Inventor KEROVUO, Janne	
	Docket Number D2000-1WUS	
	Examiner Name To Be Assigned	Art Unit To Be Assigned
	Mailing Date Januray 6, 2005	

	24.	06/15/1999	5,912,407	Miller, et al.	
	25.	12/19/2000	6,162,260	Liu, et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite ¹ No.	Publication Date (MM-DD-YYYY)	Document No. Country Code ³ - Number ⁴ -Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	35.	07/28/1993	EP 0552728 A1	Japan Tobacco Inc.		
	36.	10/17/2002	WO 02/081815 A2	Novozymes A/S		
	37.	11/21/2002	WO 02/092741 A2	Novozymes A/S		
	38.	01/09/2003	WO 03/002705 A1	Novozymes North America, Inc.		
	39.	01/09/2003	WO 03/002810 A1	Novozymes North America, Inc.		
	40.	06/01/1995	WO 95/14807 A1	Novo Nordisk A/S		
	41.	01/16/1997	WO 97/01629 A1	Novo Nordisk A/S		
	42.	06/11/1998	WO 98/24965 A1	Novo Nordisk Biochem North America, Inc.		

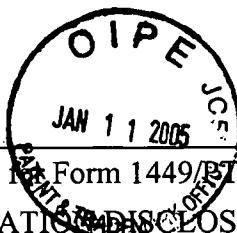
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	Docket Number D2000-1WUS	
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NON PATENT LITERAURE DOCUMENTS

Examiner Initials	Cite ¹ No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, volume-issue number(s), page(s), publisher, city and/or country where published.	T ⁶
	43.	AL-HOOTI, "Chemical composition and quality of date syrup as affected by pectinase/cellulase enzyme treatment, <i>Food Chemistry</i> , 2002, 79:215-220.	
	44.	BARTLING, "Synergism between <i>Erwinia</i> pectate lyase isoenzymes that depolymerize both pectate and pectin", <i>Microbiology</i> , 1995, 141:873-881.	
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	52.	REVILLA, et. al., "Addition of pectolytic enzymes: an enological practice which improves the chromaticity and stability of red wines", <i>International Journal of Food Science & Technology</i> , 2003, 38(1):29-36.	
	53.	TAMARU, et. al., "Pectate lyase A, an enzymatic subunit of the <i>Clostridium cellulosovorans</i> cellulosome", <i>PNAS</i> , 2001, 98(7):4125-4129.	

EXAMINER: /Sheridan Swope/ (02/16/2008)

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